SA#_____

CITY of GLEN COVE
WATERFRONT REVITALIZATION PROJECT

NOTIFICATION OF PROPOSED SITE ACTIVITY

(Submit via e-mail to Anne Lamorte, Alamorte@glencovecda.org)

SECTION A:

Site(s) Requiring Access:

☐ **Captains Cove Site** ☑ **Li Tungsten Site** ☐ **Doxey Site** ☐ **Gladsky Site** ☐ **Ferry Terminal**

Requester: Ellis Koch Date: 10/12/15 (Revised 10/30/15)

Anticipated Work Date(s): TBD To_____ Telephone: 516-983-7333

Description of Work Requested: *(Include reference to Work Plan, agency approval date and a description of any proposed deviations from the approved plan, if appropriate)*

Use dredge spoils stockpiled on Parcel A as fill on the Li Tungsten property. The spoils would be used as general fill during the construction phase of the project. Procedures for using the material would be described in a Construction Work Plan that will be submitted for Agency approval prior to initiating any work. This plan will be written after the spoils are characterized and approval for reuse is granted by the Agencies.

This notification has been prepared to initiate discussions with the Agencies on the information needed to approve this use. In support of these discussions a Dredge Spoil Characterization Plan (DSCP), a letter from the D&D contractor, SEC regarding the spoils radiological status, and a geotechnical report is attached attesting to the suitability of the spoils for use as fill are attached.

The DSCP summarizes existing data for the spoils and proposes a plan for collecting additional data to describe existing conditions.

SECTION B:

Please provide the following information as applicable and in conformance with the respective Site Management Plan (SMP) requirements.

Description of environmental monitoring to be conducted: *(Include reference to HASP & CAMP and documentation of agency approval if monitoring deviates from the plans)*

HASP, CAMP and other required monitoring will be described in the Construction/Excavation work plan that will be prepared prior to doing any intrusive work on the site.

Is waste anticipated to be generated or disposed of off-site in association with the proposed work?

Yes ☐ No ☑

If yes, describe how all waste streams will be managed including off-site disposal: *(If waste is to be disposed of offsite please provide documentation of agency approval and date)*

All of the spoils are anticipated to be reused onsite. However, if surplus material is generated, it will be disposed offsite at an approved facility after the required testing and all regulatory approvals are obtained.

Are any fill materials anticipated to be reused at or imported to the Site in association with the proposed work?

Yes ☑ No ☐

If yes, describe the proposed on-site fill material reuse procedures or proposed source of imported fill material including all chemical and gradation testing results and documentation of agency approval:

On-site fill will consist of the dredge spoils that are the subject of this notification.

All reuse of on-site material will follow the approved Construction/Excavation Work Plan (that still needs to be prepared according to the approved SMP).

Are confirmation or documentation samples to be conducted in association with the proposed work?

Yes ☑ No ☐

If yes, describe the sample type, sampling frequency and analytical methods:

Samples will be collected according to the procedures and quantity in the (still to be submitted) Construction/Excavation Work Plan.

May 29, 2014

Submitted via email

Ellis Koch
Consulting Director
Posillico Consulting
1750 New Highway
Farmingdale, NY 11735

Subject: Radiological Status of Dredge Spoils at Li Tungsten

Mr. Koch,

Perma-Fix provided radiological support for P.W. Grosser at the Li Tungsten Site in January and February of this year (2014). Our support included surface gamma walkover surveys of proposed boring locations throughout Parcel A; ex-situ radiation screening of the soil sample sleeves that were retrieved from the boring operation; and routine removable radioactivity surveys of the boring equipment, sample containers, and personnel. Several boring locations were directly on or in very close proximity to the dredge spoils.

At each location a 10 m^2 gamma walkover survey was performed prior to boring using 2-inch by 2-inch sodium iodide detectors. In all cases, the surface gamma readings observed by our Health Physics Technicians were indistinguishable from background.

Each soil sleeve retrieved was wiped down and the wipe was scanned using a Ludlum Model 44-9 “pancake” probe. In all cases, removable radioactivity levels were indistinguishable from background.

The drill rig, sample sleeves, and personnel were also routinely surveyed for removable radioactivity and in all cases, removable radioactivity levels were indistinguishable from background.

Based on this information it is our opinion that the dredge spoils appear to be consistent with ambient background levels and do not pose any radiological concern from a health and safety standpoint.

Regards,

Eric J. Laning
Technical Services Manager
Perma-Fix Environmental Services Inc.

cc:

Myralee Machol, Glen Cove IDA Administrative Director

MELICK-TULLY AND ASSOCIATES, P.C.
GEOTECHNICAL ENGINEERS AND ENVIRONMENTAL CONSULTANTS

Principals:
EUGENE M. GALLAGHER JR., P.E.
ROBERT E. SCHWANKERT, P.E.
TODD E. HOROWITZ, P.E.
MARK R. DENNO, P.E.
CHRISTOPHER P. TANSEY, P.E.

Senior Associates:
RICHARD D. LEV, CPG
JAMES H. BEATTIE, P.E.

Consultant:
RAYMOND J. TULLY, P.E.

July 9, 2015

Mr. Thomas Graham
RXR Realty
625 RXR Plaza
Uniondale, New York 11556

Re: Sampling and Laboratory Testing
Glen Isle Waterfront Redevelopment
RXR Glen Isle Partners, LLC

Dear Mr. Graham:

This letter presents a summary of the laboratory testing completed on dredged materials that are currently stockpiled at the Glen Isle Waterfront Redevelopment project in the City of Glen Cove, Nassau County, New York. The site is located north of Glen Cove Creek, near the intersection of Herb Hill Road and Garvies Point Road.

We were asked to collect samples of dredged materials that are currently stockpiled on Parcel A, which is located near the footprint of Proposed Building I. The stockpile appeared to consist of both dredged materials as well as silty sandy fill; however, it appeared that the majority of the stockpile consisted of the dredged materials. The dimensions of the stockpile are roughly 290 feet by 280 feet and the stockpile is about 20 to 30 feet in height.

A representative from Melick-Tully and Associates, P.C. collected four bulk samples of the dredged materials (Bulk Samples 2, 3, 4 and 5) and two bulk samples of the silty sand fill (Bulk Samples 1 and 6) from the surface of the stockpile. The soil samples were then brought to our soil mechanics laboratory where they were subjected to geotechnical laboratory testing including natural moisture content determinations, grain-size analyses, and organic content analyses. The results of the grain-size analyses indicated that all six samples primarily consisted of silty sand with gravel. The natural moisture content of the samples ranged from 7.7 to 18.9 percent, and the organic content of the samples ranged from 4.30 to 5.77 percent. Since the results of the grain-size analyses indicated the samples were all very similar in gradation, only two of the bulk samples were subjected to modified Proctor compaction tests. The results of the grain-size analyses, natural moisture content determinations and organic contents are indicated on Plates 1A and 1B, Gradation Curves, while the results of the compaction tests are shown on Plates 2A and 2B, Compaction Test Report.

Based on the results of the laboratory testing, it appears that the stockpiled materials are generally suitable for reuse as fill or backfill from a geotechnical viewpoint. We recommend that the dredged materials be mixed with the silty sandy fill or another source of granular fill in order to be better suited for reuse as controlled compacted fill or backfill. Some of the samples contained greater amounts of fine grained material (silt and clay), which would be very susceptible to slight changes in moisture content, and may become problematic to compact to the required density. Based on the modified Proctor compaction testing, it appears that the samples are within the moisture content range that would allow compaction to the required density. However, if the samples become wet and/or frozen, they would have to be dried to permit their reuse. In addition, it should be noted that only the exterior the stockpile was sampled. It may be possible that the soil within the interior of the stockpile is different from what was sampled. If the material appears different, it should be resampled and subjected to additional geotechnical laboratory testing prior to its reuse.

Very truly yours,

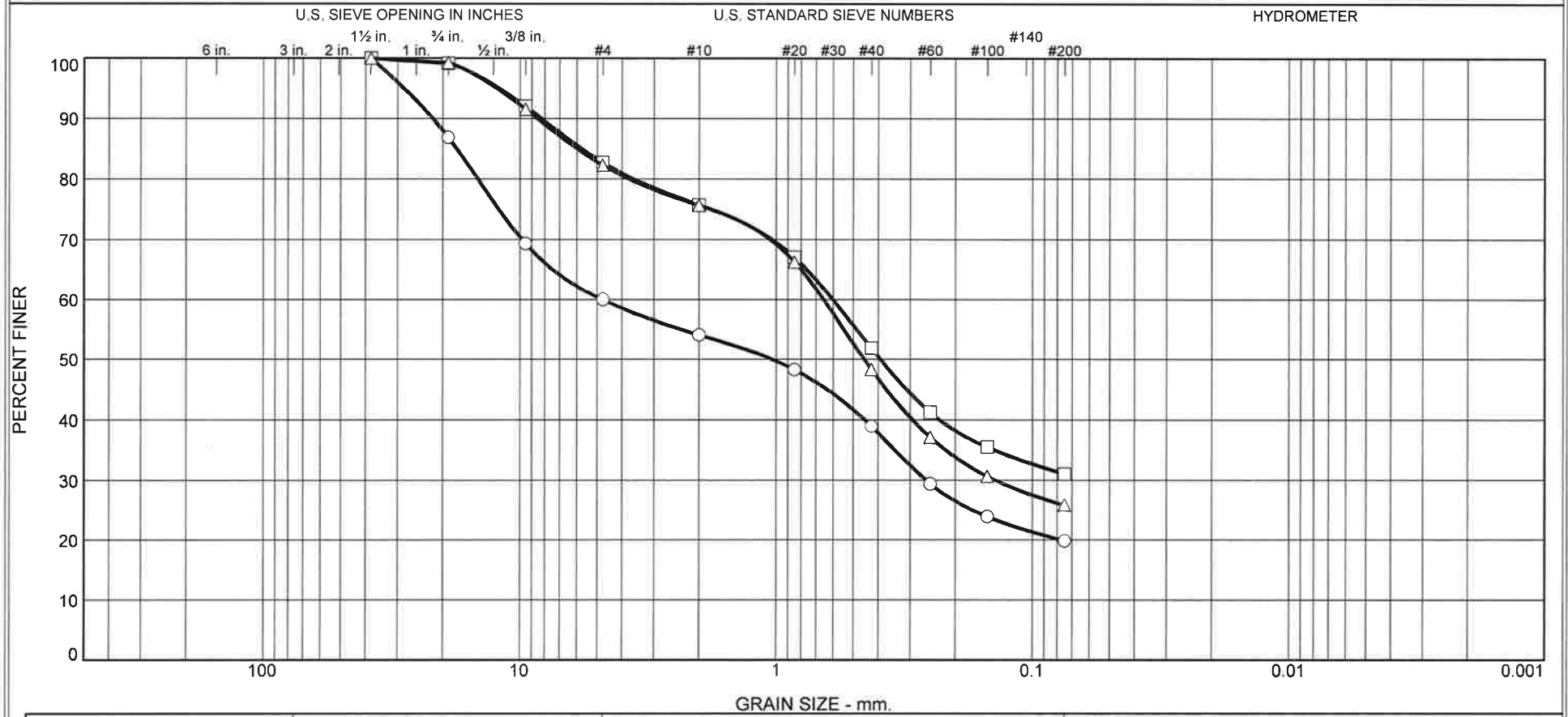
MELICK-TULLY and ASSOCIATES, P.C.

Kimberly A. Tully, P.E.

Todd E. Horowitz, P.E.
Vice President

TEH/kt
9103-002*1D

Gradation Curve(s)



	% Cobbles	% Gravel		% Sand			% Fines
		Coarse	Fine	Coarse	Medium	Fine	
○	0.0	13.1	26.9	5.9	15.1	19.2	19.8
□	0.0	0.8	16.5	7.0	23.8	20.9	31.0
△	0.0	0.7	17.0	6.6	27.4	22.5	25.8

	Source	Sample #	Depth/Elev.	Date Sampled	USCS	Material Description	NM %	LL	PL
○	Bulk	#1			SM	Fine to coarse Sand, and f-c Gravel, little Silt. (MC=7.7%)	7.7		
□	Bulk	#2			SM	Fine to coarse Sand, some Silt, little fine Gravel.	8.3		
△	Bulk	#3			SM	Fine to coarse Sand, some Silt, little fine Gravel.	15.5		

Client RXR Realty

Project Stockpile Sampling, Glen Cove, NY

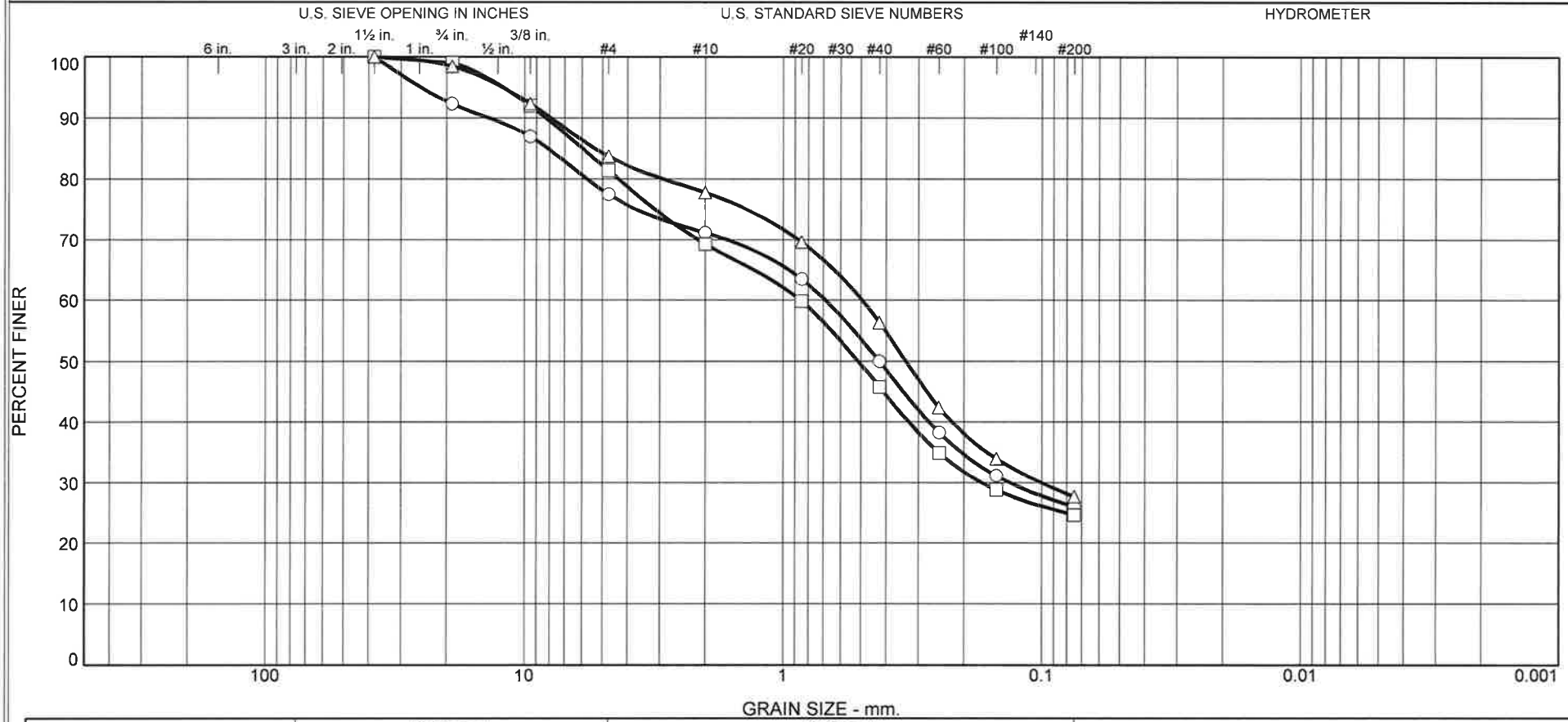
Project No. 9103-002 Plate 1A

Melick-Tully & Associates, P.C.

South Bound Brook, NJ

○ North Side - Organic Matter = 4.70%
□ North Side - Organic Matter = 4.30%
△ East Side - Organic Matter = 4.32%

Gradation Curve(s)



	% Cobbles	% Gravel		% Sand			% Fines
		Coarse	Fine	Coarse	Medium	Fine	
○	0.0	7.7	14.8	6.3	21.2	24.0	26.0
□	0.0	1.0	17.6	12.1	23.5	21.2	24.6
△	0.0	1.5	14.8	5.9	21.5	28.6	27.7

	Source	Sample #	Depth/Elev.	Date Sampled	USCS	Material Description	NM %	LL	PL
○	Bulk	#4			SM	Fine to coarse Sand, some Silt, some f-c Gravel.	18.9	0	0
□	Bulk	#5			SM	Fine to coarse Sand, some Silt, little fine Gravel.	15.4		
△	Bulk	#6			SM	Fine to coarse Sand, some Silt, little f-c Gravel.	13.8		

Client RXR Realty

Project Stockpile Sampling, Glen Cove, NY

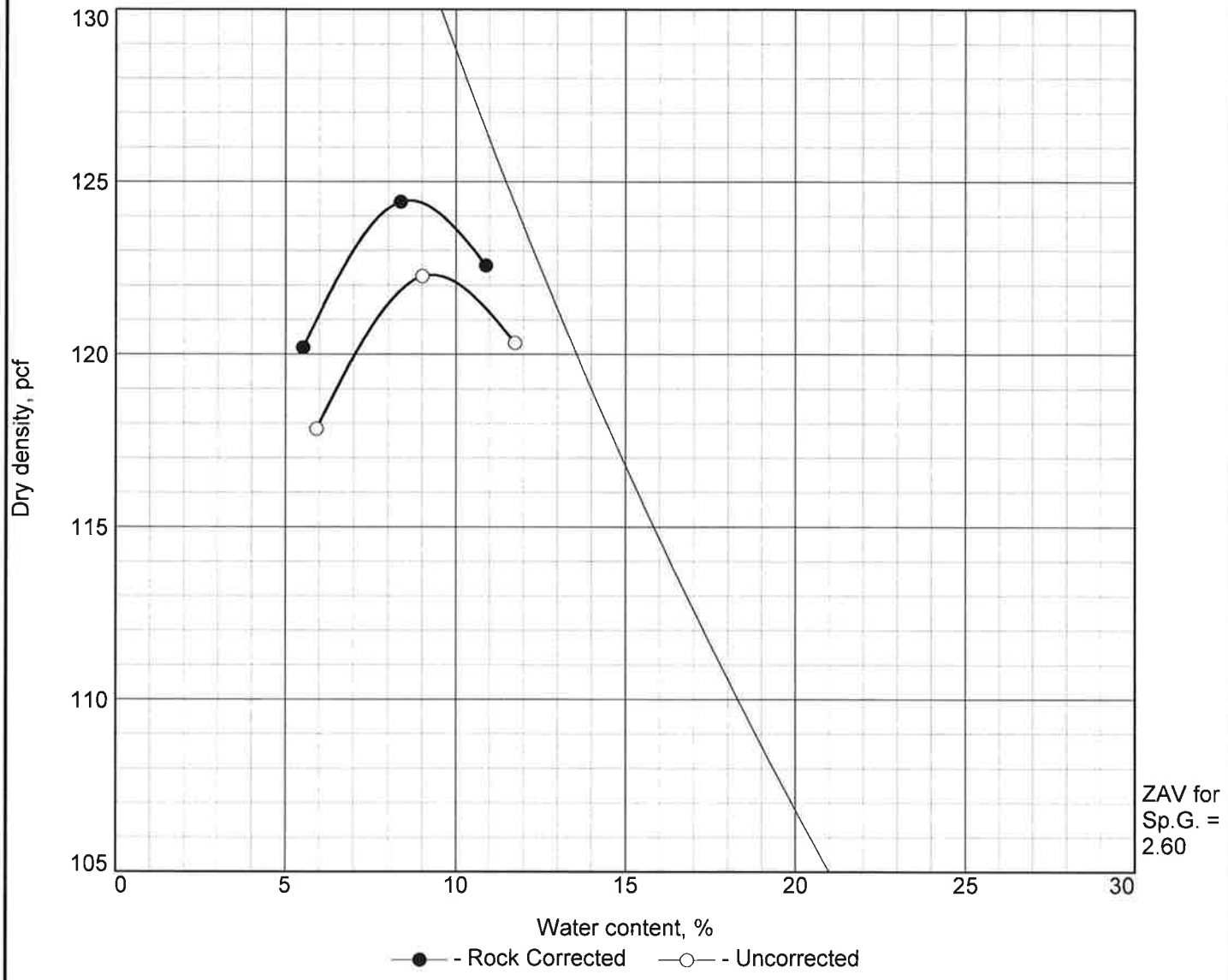
Project No. 9103-002 Plate 1B

Melick-Tully & Associates, P.C.

South Bound Brook, NJ

○ East side - Organic Matter = 5.41%
□ South Side - Organic Matter = 5.77%
△ West Side - Organic Matter = 5.15%

COMPACTION TEST REPORT



Test specification: ASTM D 1557-12 Method B Modified
ASTM D 4718-87 Oversize Corr. Applied to Each Test Point

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/8 in.	% < No.200
	USCS	AASHTO						
	SM		8.3				8.0	31.0

ROCK CORRECTED TEST RESULTS	UNCORRECTED	MATERIAL DESCRIPTION
Maximum dry density = 124.5 pcf	122.5 pcf	Fine to coarse Sand, some Silt, litle fine Gravel.
Optimum moisture = 8.5 %	9.5 %	

Project No. 9103-002 **Client:** RXR Realty
Project: Stockpile Sampling, Glen Cove, NY

○ **Source of Sample:** Bulk **Sample Number:** #2

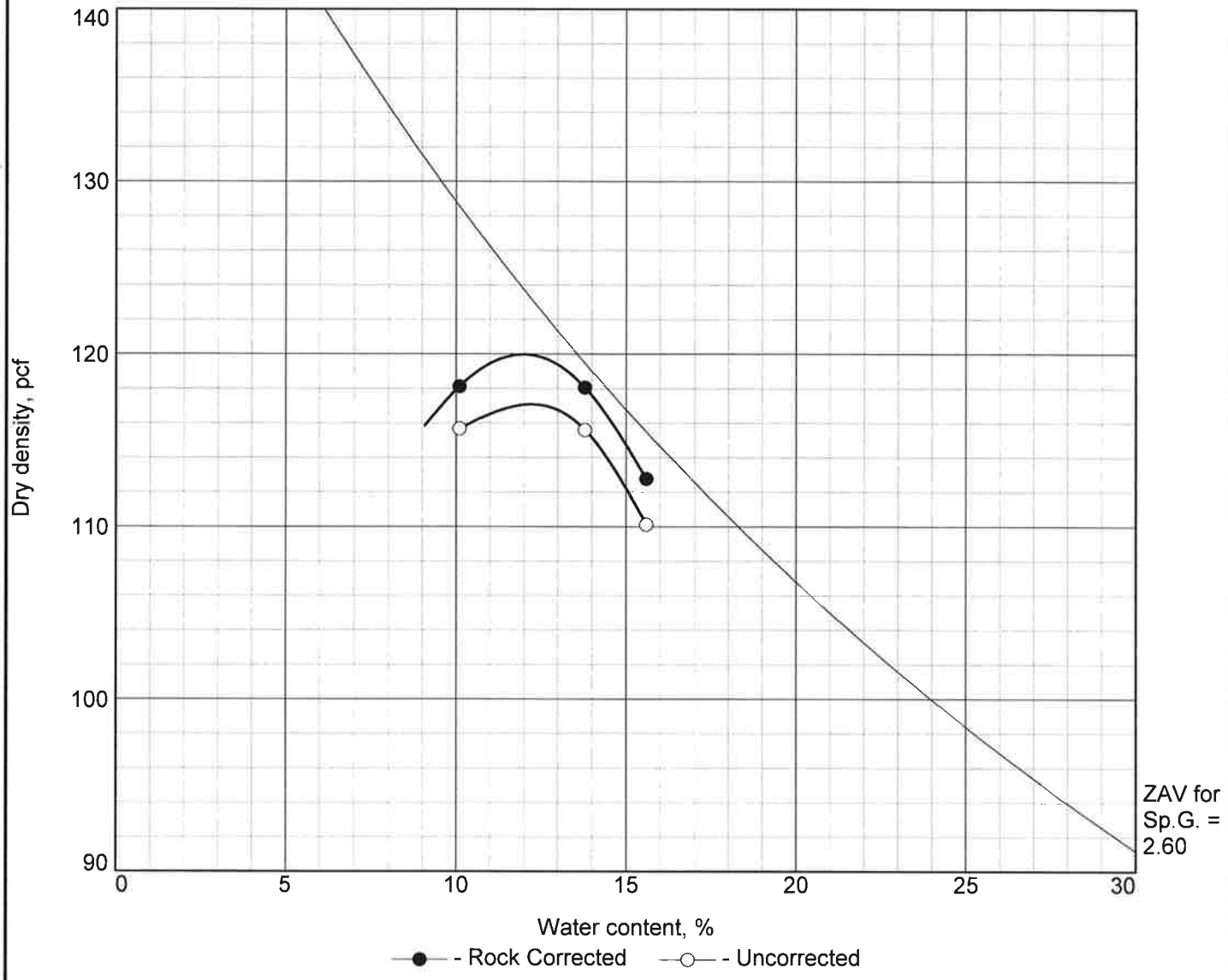
Melick-Tully & Associates, P.C.

South Bound Brook, NJ

Remarks:

Plate 2A

COMPACTION TEST REPORT



Test specification: ASTM D 1557-12 Method B Modified
ASTM D 4718-87 Oversize Corr. Applied to Each Test Point

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/8 in.	% < No.200
	USCS	AASHTO						
	SM		15.4				8.0	24.6

ROCK CORRECTED TEST RESULTS	UNCORRECTED	MATERIAL DESCRIPTION
Maximum dry density = 120.0 pcf	117.0 pcf	Fine to coarse Sand, some Silt, little fine Gravel.
Optimum moisture = 12.0 %	12.0 %	

Project No. 9103-002 **Client:** RXR Realty
Project: Stockpile Sampling, Glen Cove, NY

○ **Source of Sample:** Bulk **Sample Number:** #5

Melick-Tully & Associates, P.C.

South Bound Brook, NJ

Remarks:

Plate 2B

City Use Only

Review Status: Approved ☐ Rejected ☐

Reviewed By: _____ **Date:** _____

Regulatory Agency Notification Date: (Minimum 10-days prior to anticipated work start date) _____

Work Start Date: _____ **Work Completion Date:** _____

Review Comments: